

IN THE CLAIMS:

1-4 (Canceled)

5. (Currently Amended) The An aluminum alloy for rapidly cooled welding, the alloy comprising by weight:

Mg: 0.4 to 7.0%;

Cu: 0.05 to 1.0%;

Fe: 0.7 to 1.5%;

optionally, at least one kind of Mn: 0.8 to 2.5% and Cr: 0.35 to 2.0%; according to claim 4, wherein the alloy contains at least one kind selected from the group consisting of V: 0.5 to 1.0 wt%, Zr: 2.0 to 2.5 wt% and Ni: 3.0 to 3.5 wt%; and the balance of Al and inevitable impurities.

6. (Currently Amended) An The aluminum alloy for rapidly cooled welding according to claim 4 5, wherein the aluminum alloy for rapidly cooled welding is welded and then a weld metal is cooled at a range of 1000 to 8000°C/s from the melting point to 200°C after welding.

7 (Canceled)